## Curriculum vitae

Name: Annemarie Pauline van Wezel

Birth date: 3 February 1968

Nationality: Dutch

Marital status: Married, three children (1996, 1998, 1998)

Prof. Dr Annemarie van Wezel (1968, MSc Biology UU, PhD environmental chemistry and toxicology UU) is an experienced environmental scientist in water quality, risk assessment, environmental toxicology and chemistry, and environmental policy. She was granted many projects in the field of chemicals of emerging concern and water quality, current examples are the European projects ITN ECORISK2050, ITN PERFORCE3, and Dutch NWO funded projects EMERCHE, RUST, PsychoPharmac’eau, AQUACONNECT, TOSS and NWO Large Scientific Infrastructure ARISE. She is interested in the science-to-policy interface, in scientific outreach and engagement with end-users of knowledge. She appeared in numerous media coverages. In her work, she likes to combine organizational and content roles. She is a member of the Dutch Health Council and the Dutch Board on authorization of plant protection products and biocides CTGB. She holds the chair Environmental Ecology and is Scientific Director of IBED (Institute for Biodiversity and Ecosystem Dynamics) at the University of Amsterdam.

**Work experience:**

2019-current: **Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam**

 Scientific Director (~170 fte), chair Environmental Ecology

2013-2018: **Copernicus Institute of Sustainable Development, Utrecht University**

 Endowed professor Water Quality and Health

2007-2018: **KWR Watercycle Research Institute, Nieuwegein**

 Chief Science Officer, Board member and manager Water Quality and Health (~60 fte), team leader Chemical Water Quality and Health (~30 fte)

2002-2007: **Netherlands Environmental Assessment Agency (currently PBL), Bilthoven**

 Policy researcher, project leader large integrated projects such as Environmental Balance, Environmental Outlook, Evaluation election programs, Evaluation governmental agreement, team leader Sustainable Rural Areas (~10 fte).

1997-2001: **National Institute for Public Health and the Environment (RIVM), Bilthoven**

 Researcher on chemical risk assessment

1994-1997: **National Institute for Coast and Sea (currently Deltares), The Hague**

 Project leader ecotoxicology

1991-1994: **RITOX (currently Institute of Risk Assessment Sciences), Utrecht University**

 PhD student. Thesis ‘Residue-based effects of narcotic chemi­cals in fish and lipid bilayers’ (September 1995).

**Work-related additional functions:**

2023 Member **Research Visitation Committee** Wageningen Environmental Sciences Group

2023-current Member **Advisory Committee Facilities for Applied Research (**Adviescommissie voor Faciliteiten voor Toegepast Onderzoek)

2022 Chair Midterm Review of the strategic Interdisciplinary Programmes, Leiden University

2022-current Scientific Member of the Advisory Board of the **Biodiversa+ European Partnership**

2021-current: Member Standing Committee, **Dutch Health Council**

2021-current: Member **Scientific Advisory Board Naturalis**

2020-current: Chair **Science Committee Netherlands Institute of Ecology** (NIOO-KNAW)

2020-current: Member **Dutch Board Earth and Environmental Sciences**

2020-current: Member of the **Permanent Committee Large-scale Scientific Infrastructure** (NWO)

2021-current: Board Member **Institute for Advanced Study** (IAS) (UvA)

2021-current: Member Evaluation Panel **FORMAS** **(Swedish Research Council for Sustainable Development)** Environmental Pollutants

2019-current: Advisor to Board **NDFF** (Nederlandse Database Flora en Fauna)

2019-current: Board member **Netherlands Ecological Research Network** NERN

2019-current: Associate editor **Frontiers in Environmental Science**: Toxicology, Pollution and the Environment

2019-current: Member evaluation committee **Research Foundation Flanders** Applied Biological Sciences

2017-current: Board Member **Stichting International Water Conferences**

2016-current: Member Committee Signals Health and Environment, **Dutch Health Council**

2014-current: Member of the Dutch **Board on Authorization of Plant Protection Products and Biocides** (CTGB)

2014-current: Board Member and chair (since 2022) **Supervisory Board Postdoctoral Education on Toxicology**

2014-current: Member Editorial Board **Reviews of Environmental Contamination and Toxicology** (Springer)

2013-current: Several NWO jury memberships and call committee memberships

2020-2021: Member Board of Associates (BoA) Institute for Advanced Study (IAS) (UvA)

2019-2020: External member Council for the Environment and Infrastructure (RLI), advice ‘Safe handling of hazardous substances in the physical environment’

2018-2019: Member SAPEA Microplastics Working Group

2017-2018: Advisory member Scientific Committee on Health, Environmental and Emerging Risks (SCHEER), working group on oil and gas

2014-2018: Chair (by picket) of Crisis Expert Team for environment and drinking water (CETmd)

2007-2016: Member (since 2012 vice-chair) of the Soil Protection Technical Committee (TCB)

2008-2011: Member-elect Europe Council of the Society of Environmental Toxicology and Chemistry (SETAC)

2015: Member audit committee work field ‘drinking water’ RIVM

2015: Member ‘Future for Water Utility Drenthe’ chaired by ms. Margreet de Boer

2004-2008: Vice-chair of Provincial committee for water and the environment, province of Utrecht.

2003-2008: Chair redaction of 'Bodem', published by Kluwer.

**Education:**

2019-2020: Program Academic Leadership, University of Amsterdam

2019: Basic Qualification Teaching (BKO), University of Amsterdam

2010-2011: Cranfield General Management Program

2005-2006: ‘Master class in strategic management’, Netherlands School of Public Administration (NSOB), The Hague

2001-2003: Master ‘Management in Service Organizations’, Utrecht University School of Governance (USG)

1991-1994: Postgraduate Education in Toxicology, WUR

1986-1991: Biology, Utrecht University

1980-1986: Atheneum B, Koning Willem II, Tilburg

**Grants (2008 onwards)**

2008-2012: Joint Research Programme Dutch drinking water sector, program Chemical water quality (~1,3 Meuro/yr)

2011-2016: program director program Environmental risks NanonextNL FES (7,5 Meuro)

2013-2018: SOLUTIONS, FP7, WP leader ‘Innovative toxicant management’, member coordination committee (total 12 mEuro)

2015-2020: leader KWR/ALW program ‘Shale gas & water’ (1,8 mEuro)

2015-2020: co-leader STW program TRAMP Technologies for risk assessment for microplastics (0,95 mEuro)

2017-2021: co-leader TTW program EMERCHE; Effect-directed Monitoring tools to assess Ecological and human health Risks of CHemicals of Emerging concern in the water cycle (0,68 mEuro)

2018-2022: co-leader ALW program RUST; Re-USe of Treated effluent for agriculture (0,7 mEuro)

2018-2021: partner ITN Ecorisk (3,6 mEuro)

2019-2022: partner PERFORCE3, Lead of WP1, Analytical tools and exposure science (4,1 mEuro)

2020-2024: leader NWO program PERFORCE3 (1,0 mEuro)

2020-2030: co-leader NWO Large Scientific Infrastructure; Authorative and Rapid Identification System for Essential biodiversity information (ARISE) (18,6 mEuro)

2021-2026: co-leader NWO Perspective AQUACONNECT (6,4 mEuro)

2022-2024: UvA project leader NWO Rubicon Iris Pit ‘Synthetic chemicals as a cause of biodiversity loss’ at ACES Stockholm (0,16 mEuro)

2023-2027: leader NWO program TOSS: Putting into Practice Integrated TOols to Select and Produce Safe and Sustainable alternatives for problematic Persistent and Mobile Toxic Substances (0,9 mEuro)

2022-: co-applicant NWO-NWA Blue Route; Towards clean and sufficient water for anthropogenic use and ecology

2023-2027: leader NWO program BenignSynthesis (0,5 mEuro)

**Supervision of PhD students**

2015-current: Ann-Helene Faber (UU), Shale gas & water project (NWO ENW)

2015-2021: Svenja Mintenig (UU), TRAMP project (NWO TTW, promotor, defense ‘Quantifying the Invisible - Micro- and Nanoplastics in the Urban Water Cycle’ UU 2021)

2016-2022: Merel Kooi (WUR): TRAMP project (NWO TTW, co-promotor, defense ‘Environmental microplastics properties, exposure and risk’ WUR 2022)

2018-2022: Valentin de Gussem (UU), EMERCHE project (NWO TTW, stopped without defense due to health issues)

2018-2023: Dominique Narain (UU), RUST project (NWO ENW, promotor, defense ‘Water is too precious to waste. Trade-offs of sewage effluent reuse in agricultural sub-surface irrigation’ UvA 2023)

2019-2023: Joanke van Dijk (UU), Ecorisk2050 (ITN, promotor, defense ‘Towards a Safe and Sustainable Future. Mitigating environmental pollution across the chemical life-cycle’ UU 2023)

2019-current Rick Helmus (UvA)

2020-current Charlie Davey (UvA), Psychopharmaceua (NWO TTW)

2020-current Mohammad Sadia (UvA), PERFORCE3 (ITN)

2020-current Viktoria Licul-Kucera (Fresenius/UvA), PERFORCE3 (ITN, 2nd promotor)

2020-current Lia Corbett (NIOZ), Nanoplastics: Origin, Structure, and Fate (NWO, 2nd promotor)

2021-current Harry Boonstra (external PhD Wetterskip Fryslan, 2nd promotor)

2021-current Maria Hayder (UvA, 2nd promotor)

2021-current Alessia Ore (WUR), AquaConnect (NWO TTW, 2nd promotor)

2021-current Jan Specker (UvA), AquaConnect (NWO TTW, promotor)

2021-current Ionna Gkika (UvA, co-promotor, NWO Exposure, hazard and risk of PFAS in aquatic and terrestrial ecosystems)

2021-current Xylar Xie (VU, co-promotor, NWO Exposure, hazard and risk of PFAS in aquatic and terrestrial ecosystems)

2022-current Anniek Gielen (RIVM, 2nd promotor, NWO-ORC DARTBAC)

2023-current Matthias Hof (RIVM SPO ToxDown, co-promotor)

2023-current Bianca Stadelmann, TOSS (NWO NWA, promotor)

Supervision of PhD students and postdocs, not as promotor, for Silvana Ciarelli, Erwin Roex, Theo Traas, Robert Bijlsma

2020: Honorary promotor of prof J Rockstrom at dies University of Amsterdam dd January 8 2020

**Publications in peer-reviewed international journals** (H-factor 38, Scopus; top 2% environmental science)

Belfroid, A., Van Wezel, A., Sikkenk, M., Van Gestel, K., Seinen, W., Hermens, J. (1993) The toxicokinetic behavior of chlorobenzenes in earthworms (*Eisenia andrei*): Experiments in water. Ecotox. Environ. Saf. 25: 154-165.

Van Wezel, A.P., Opperhuizen, A. (1995) Narcosis due to environmental pollutants in aquatic organisms: residue-based toxicity, mechanisms and membrane burdens. Crit. Rev. Toxicol. CRC 25: 255-279.

Van Wezel, A.P., Punte, S.S., Opperhuizen, A. (1995) Lethal body burdens of polar narcotics: chlorophenols. Environ. Tox. Chem. 14: 1579-1585.

Van Wezel, A.P., Sijm, D.T.H.M., Seinen, W., Opperhuizen, A. (1995) Use of lethal body burden to indicate species differences in susceptibility to narcotic toxicants. Chemosphere 31: 3201-3209.

Van Wezel, A.P., Opperhuizen, A. (1995) Thermodynamics of a series of chlorobenzenes to fish storage lipids, in comparison to partitioning to phospholipids. Chemosphere 31: 3605-3615.

Van Wezel, A.P., De Vries, D.A.M., Kostense, S., Sijm, D.T.H.M., Opperhuizen, A. (1995) Intraspecies variation in lethal body burdens of narcotic compounds. Aquat. Toxicol. 33: 325-342.

Van Wezel, A.P., Cornelissen, G., Van Miltenburg, J.K., Opperhuizen, A. (1996) Membrane burdens of chlorinated benzenes lower the main phase transition temperature in dipalmitoyl-phosphatidylcholine vesicles: Implications for toxicity by narcotic chemicals. Environ. Toxicol. Chem. 15:203-212.

Van Wezel, A.P., De Vries, D.A.M., Sijm, D.T.H.M., Opperhuizen, A. (1996) Use of the lethal body burden in the evaluation of mixture toxicity. Ecotox. Environ. Saf. 35:236-241.

Van Wezel, A.P., Schmitz, M.G.J., Tielens, A.G.M. (1997) Acetylcholinesterase and ATPase activities in erythrocyte ghosts are not affected by 1,2,4-trichlorobenzene: Implications for toxicity by narcotic chemicals. Environ. Toxicol. Chem. 16:2347-2352.

De Maagd, P.G-J., Van de Klundert, I.C.M., Van Wezel, A.P., Opperhuizen, A., Sijm, D.T.H.M. (1997) Lipid content and time-to-death-dependent lethal body burdens of naphtalene and 1,2,4--trichlorobenzene in fathead minnow (*Pimephales promelas*). Ecotoxicol. Environ. Saf. 38:232-237.

Van Wezel, A.P., Jonker, M.T.O. (1998) Use of the lethal body burden in the risk quantification of field sedi­ments; influence of temperature and salinity. Aquat. Toxicol. 42:287-300.

Van Wezel, A.P. (1998) Chemical and biological aspects of ecotoxicological risk assessment of ionizable and neutral organic compounds in fresh and marine waters: a review. Environ. Rev. 6:123-137.

Ciarelli, S., Van Straalen, N.M., Klap, V.A., Van Wezel, A.P. (1999) Effects of sediment bioturbation by the estuarine amphipod *Corophium volutator* on fluoranthene resuspension and transfer into the mussel (*Mytilus edulis*). Environ. Toxicol. Chem. 18:318-328.

Sanderson, J.T., Commandeur, J.N.M., Van Wezel, A., Vermeulen, N.P.E. (1999) Bioassays for the detection of chemicals that can form bioactivation-dependent reactive free radicals. Environ. Toxicol. Chem. 18:1236-1243.

Roex, E.W.M., Van Gestel, C.A.M., Van Wezel, A.P., Van Straalen, N.M. (2000) Ratios between acute aquatic toxicity and effects on population growth rates in relation to toxicant mode of action. Environ. Toxicol. Chem. 19:685-693.

Van Wezel, A.P., Traas, T., Van der Weiden, M., Crommentuijn, G.H., Sijm, D.T.H.M. (2000) Environmental quality standards for polychlorinated biphenyl's in the Netherlands; derivation with probabilistic food chain modeling. Environ. Tox. Chem. 19:2140-2153.

Van Wezel, A.P., Van Vlaardingen, P., Posthumus, R., Crommentuijn, G.H., Sijm, D. (2000) Environmental risk limits for two phthalates, with special emphasis on endocrine disruptive properties. Ecotoxicol. Environ. Saf. 46:305-321.

Moermond, C.T.A. , Tijink, J., Van Wezel, A.P., Koelmans, A.A. (2001) Distribution, speciation, and bioavailability of lanthanides in the Rhine-Meuse estuary, The Netherlands. Environ. Toxicol. Chem. 20:1916-1926.

Sijm, D.T.H.M., Van Wezel, A.P., Crommentuijn, T. (2002) Environmental risk limits in the Netherlands. In: Posthuma, L., Suter II, G.W., Traas, T.P. (eds.) Species sensitivity distributions in ecotoxicology. Lewis Publishers.

Van Wezel, A.P., Jager, T. (2002) Comparison of two screening level risk assessment approaches for six disinfectants and pharmaceuticals. Chemosphere 47:1113-1128.

Van Wezel, A.P., Van Vlaardingen, P. (2004) Environmental risk limits for antifouling substances. Aquat. Toxicol. 66:427-444.

Traas, T.P.; Van Wezel, A.P.; Hermens, J.L.M.; Zorn, M.; Van Hattum, A.G.M.; Van Leeuwen, C.J. (2004) Environmental quality criteria for organic chemicals predicted from internal effect concentrations and a food web model. Environ. Toxicol. Chem. 23:2518-2527.

Mulder, C.; Van Wezel, A.P.; Van Wijnen, H.J. (2005) Embedding soil quality in the planning and management of land use. Int. J. Biodiv. Sci. Man. 1:77-84

Mulder, C.; Van Wijnen, H.J.; Van Wezel, A.P. (2005) Numerical abundance and biodiversity of below-ground taxocenes along a pH gradient across the Netherlands. J. Biogeogr. 32:1775-1790

Van Wezel, A.P.; Kruitwagen, S.; Maas, R. (2006) Policy profile: How Dutch environmental policy contributes to meet European environmental standards; Dutch Environmental Balance. Europ. Environ.16:45-52

Van Wezel, A.P.; Franken, R.O.G.; Drissen, E.; Versluijs, K.C.W.; Van den Berg, R. (2008) Societal cost-benefit analysis for soil remediation in the Netherlands. IEAM, 4:61-74.

Van Wezel, A.P.; Puijker, L.; Vink, C; Versteegh, A.; De Voogt, P. (2009) Odour and flavour thresholds of gasoline additives (MTBE, ETBE and TAME) and their occurrence in Dutch drinking water collection areas. Chemosphere, 76:672-676.

Schriks, M.; Heringa, M.B.; Van der Kooi, M.; De Voogt, P.; Van Wezel, A.P. (2010) Toxicological relevance of emerging contaminants for drinking water quality. Water Res. 44:461-476.

Van Wezel, A.P.; Mons, M.; Van Delft, W. (2010) New methods to monitor emerging chemicals in the drinking water production chain. J. Environ. Monit. 12:80-89.

Ter Laak, T.L.; Van der Aa, M.; Houtman, C.J.; Stoks, P.G.; Van Wezel, A.P. (2010) Relating environmental concentrations of pharmaceuticals to consumption: A mass balance approach for the river Rhine. Environ. Int. 36:403-409.

Schriks, M.; Van Leerdam, J.A.; Van der Linden, S.C.; Van der Burg, B.; Van Wezel, A.P.; De Voogt, P. (2010) High-Resolution Mass Spectrometric Identification and Quantification of Glucocorticoid Compounds in Various Wastewaters in The Netherlands. Environ. Sci. Technol., 44:4766–4774.

Schriks, M.; Heringa, M.B.; de Voogt P.; Van Wezel, A.P. (2011) Response to Mario Schirmer, Marion Martienssen and Kristin Schirmer's comments regarding "Toxicological relevance of emerging contaminants for drinking water quality" by Schriks et al. Wat. Res. 45: 1515-1517.

Van Wezel, A.P.; Morinière, V; Emke, E.; Ter Laak, T.; Hogenboom, A.C. (2011) [Quantifying summed fullerene nC(60) and related transformation products in water using LC LTQ Orbitrap MS and application to environmental samples.](http://www.ncbi.nlm.nih.gov/pubmed/21529946) Environ. Int. 37:1063-1067

Woutersen, M.; Belkin, S.; Brouwer, B.; Van Wezel, A.P.; Heringa, M.B. (2011) [Are luminescent bacteria suitable for online detection and monitoring of toxic compounds in drinking water and its sources?](http://www.ncbi.nlm.nih.gov/pubmed/21058029) Anal. Bioanal. Chem. 400:915-29.

McCarty, L.S.; Landrum, P.F.; Luoma, S.N.; Meador, J.P.; Merten, A.A.; Shephard, B.K.; Van Wezel, A.P. (2011) Advancing environmental toxicology through chemical dosimetry: External exposures versus tissue residues. Int. Env. Ass. Man. 7:7-27.

Van Leeuwen, C.J., Frijns, J., van Wezel, A., van de Ven, F.H.M. (2012) City Blueprints: 24 Indicators to Assess the Sustainability of the Urban Water Cycle. Wat. Res. Man. 26:2177-2197.

Ter Laak, T.L., Puijker, L.M., Van Leerdam, J.A., Raat, K.J., Kolkman, A., De Voogt, P., Van Wezel, A.P. (2012) [Broad target chemical screening approach used as tool for rapid assessment of groundwater quality](http://www.sciencedirect.com/science/article/pii/S0048969712005086). Sci. Tot. Environ. 427-428:308-313.

Punt, A., Brand, W., Murk, A.J., Van Wezel, A.P., Schriks, M., Heringa, M.B. (2013) Effect of combining in vitro estrogenicity data with kinetic characteristics of estrogenic compounds on the in vivo predictive value. Toxicol in Vitro 27:44-51.

Brand, W., De Jongh, C.M., Van der Linden, S.C., Mennes, W., Puijker, L.M., Van Leeuwen, C.J., Van Wezel, A.P., Schriks, M., Heringa, M.B. (2013) Trigger values for investigation of hormonal activity in drinking water and its sources using CALUX bioassays. Environ. Int. 55: 109–118.

Van de Vossenberg, J. Tervahauta, H., Maquelin, K., Blokker-Koopmans, C.H.W., Uytewaal-Aarts, M., Dick Van der Kooij, D., Van Wezel, A.P., Van der Gaag, B. (2013) Identification of bacteria in drinking water with Raman spectroscopy. Anal. Methods 5: 2679-2687.

Kolkman,A., Emke, E., Bäuerlein, P.S., Carboni, A., Truc Tran, D., Ter Laak, T.L., Van Wezel, A.P., De Voogt, P. (2013) Analysis of (functionalized) fullerenes in watersSamples by liquid chromatography coupled to high-resolution mass spectrometry. Anal. Chem. 2013:5867−5874. (ACS selected paper)

Kettler, K., Veltman, K., Van de Meent, D., Van Wezel, A., Hendriks, A.J. (2014) Cellular uptake of nanoparticles. Environ. Toxicol. Chem. 33:481–492

Brack W, Altenburger R, Schüürmann G, Krauss M, Van Gils J, Slodbodnik J, Munthe J, Gawlik BM, Van Wezel A, Schriks M, Hollender J, Tollefsen KE, Mekenyan O, Dimitrov S, Bunke D, Cousins I, Posthuma L, Van den Brink PJ, De Alda ML, Barceló D, Faust M, Kortenkamp A, Scrimshaw M, Ignatova S, Engelen G, Massmann G, Lemkine G, Teodorovic I, Walz KH, Dulio V, Jonker MTO, Jäger F, Chipman K, Falciani F, Liska I, Rooke D, Zhang X, Hollert H, Vrana B, Hilscherova K, Kramer K, Neumann S, Hammerbacher R, Backhaus T, Mack J, Segner H, Escher B, De Aragão Umbuzeiro G (2015) SOLUTIONS for present and future emerging pollutants in land and water resources management. Sci. Tot. Environ. 503-504:22-31.

Kolkman A, Martijn BJ, Vughs D, Baken KA, Van Wezel AP (2015) Tracing nitrogenous disinfection by-products after medium pressure UV water treatment by stable isotope labeling and high resolution mass spectrometry. Environ. Sci. Technol. 49:4458-4465.

Coppens LJC, Van Gils J, Ter Laak T, Raterman B, Van Wezel A. (2015) Towards spatially smart abatement of human pharmaceuticals in surface waters: defining impact of sewage treatment plants on susceptible functions. Wat. Res. 81: 356–365

Sjerps RMA, Vughs D, Van Leerdam JA, Ter Laak TL, Van Wezel AP (2016) Data-driven prioritization of chemicals for various water types using suspect screening LC-HRMS. Wat. Res. 93:254-264.

Van Wezel AP, Caris I , Kools S (2016) Release of primary microplastics from consumer products to wastewater in the Netherlands. Environ Tox Chem, 35:1627-1631.

Bäuerlein PS , Emke E, Tromp P, Hofman JAMH, Carboni A, Schooneman F, De Voogt P, Van Wezel AP (2017) Is there evidence for man-made nanoparticles in the Dutch environment? Sci. Tot. Environ. 576:273–283.

Brack W, Dulio V, Ågerstrand M, Allan I, Altenburger R, Brinkmann M, Bunke D, Burgess RM, Cousins I, Escher BI, Hernández FJ, Hewitt ML, Hilscherová K, Hollender J, Hollert H, Kase R, Klauer B, Lindim C, López Herráez D, Miège C, Munthe J, O’Toole S, Posthuma L, Rüdel H, Schäfer RB, Sengl M, Smedes F, Van de Meent D, Van den Brink PJ, Van Gils J, Van Wezel AP, Vethaakz AD, Vermeirssen E, Von der Ohe PC, Vrana B (2017) Towards the review of the Water Framework Directive: Recommendations for more efficient assessment and management of chemical contamination in European surface water resources. Sci. Tot. Environ. 576:720–737.

Fischer A, Ter Laak T, Bronders J, Desmet N, Christoffels E, Van Wezel A, Van der Hoek JP (2017) Decision support for water quality management of contaminants of emerging concern. J. Environ. Man. 193:360-372.

Munthe J, Brorström-Lundén E, Rahmberg M, Posthuma L, Altenburger R, Brack W, Bunke D, Engelen G, Gawlik BM, Van Gils J, López Herráez D, Rydberg T, Slobodnik J, Van Wezel A (2017) An expanded conceptual framework for solution-focused management of chemical pollution in European waters. Environ. Sci. Europe 29:13.

Butkovskyi A, Bruning H, Kools SAE, Rijnaarts HHM, Van Wezel AP (2017) Organic pollutants in shale gas flowback and produced waters: identification, potential ecological impact and implications for treatment strategies. Environ. Sci. Tech. 51:4740–4754.

Van Wezel AP, Ter Laak TL, Fischer A, Bäuerlein PS, Munthe J, Posthuma L (2017) Operationalising solutions-focused risk assessment; mitigation options for chemicals of emerging concern in surface waters. RSC Environ. Sci. Water Res. Tech. 3, 403 – 414.

Koelmans A, Besseling E, Foekema E, Kooi M, Mintenig S, Ossendorp B, Redondo Hasselerharm P, Verschoor A, Van Wezel A, Scheffer M (2017) Risks of Plastic Debris: Unravelling fact, opinion, perception and belief. Env Sci Tech 51:11513-11519.

Kooi M, Besseling E, Kroeze C, Van Wezel AP, Koelmans AA (2018) Modelling the fate and transport of plastic debris in freshwaters: Review and guidance. Springer. In: Freshwater microplastics: Emerging environmental contaminants?, Wagner, M., Lambert, S. Eds. Springer. 58:125-152

Van Wezel AP, Van Lente H, Van de Sandt JJM, Bouwmeester H, Vandeberg RLJ, Sips AJAM. (2018) Risk analysis and technology assessment in support of technology development; putting RRI in practice in a case study for nanotechnology. Integr. Environ. Ass. Man. 14:9-16

Butkovskyi A, Faber AH, Wang Y, Grolle K, Hofman-Caris C, Bruning H, Van Wezel A, Rijnaarts H (2018) Removal of organic contaminants from shale gas flowback water. Water Res. [138](https://www.sciencedirect.com/science/journal/00431354/138/supp/C):47–55.

Baken KA, Sjerps RMA, Schriks M, Van Wezel AP (2018) Toxicological relevance and Threshold of Toxicological Concern (TTC) for drinking water relevant contaminants of emerging concern. Environ Int 118:293-303.

Van Wezel AP, Van den Hurk F, Sjerps RMA, Meijers EM, Roex EWM, Ter Laak TL (2018) Impact of industrial waste water treatment plants on Dutch surface waters and drinking water sources. Sci Tot Environ 640-641:1489-1499.

Louisse J, Dingemans MML, Baken KA, Van Wezel AP, Schriks M (2018) Exploration of ToxCast/Tox21 bioassays as candidate bioanalytical tools for measuring groups of chemicals in water. Chemosphere [209](https://www.sciencedirect.com/science/journal/00456535/209/supp/C):373–380.

Mintenig SM, Bäuerlein PS, Koelmans AA, Dekker SC, Van Wezel AP (2018) Closing the gap between small and smaller: Towards a framework to analyse nano- and microplastics in aqueous environmental samples. Environ Sci Nano 5:1640-1649.

Pit I. Van Egmond E, Dekker S, Griffioen J, Wassen M, Van Wezel A (2018) Ecotoxicological risk of trace element mobility in coastal semi-artificial depositional areas near the mouth of the River Rhine, the Netherlands. Environ. Toxicol. Chem. 37: 2933-2946.

Faber AH, Annevelink M, Gilissen HK, Schot P, Van Rijswick M, De Voogt P, Van Wezel A (2019) How to adapt chemical risk assessment for unconventional hydrocarbon extraction related to the water system. Rev. Environ. Contam. Toxicol. 246:1-32.

Butkovskyi A, Cirkel G, Bozileva E, Bruning H, Van Wezel AP, Rijnaarts HHM (2019) Estimation of the water cycle related to shale gas production under high data uncertainties: Dutch perspective. J Environ. Man. [231](https://www.sciencedirect.com/science/journal/03014797/231/supp/C):483-493.

Brunner AM, Dingemans MM, Baken KA, Van Wezel AP (2019) Prioritizing anthropogenic chemicals in drinking water and sources through combined use of mass spectrometry and ToxCast toxicity data. J. Haz. Mat. [364](https://www.sciencedirect.com/science/journal/03043894/364/supp/C):332-338.

Dingemans MML, Baken KA, Van der Oost R, Schriks M, Van Wezel A (2019) Risk-based approach in the revised EU drinking water legislation: opportunities for bioanalytical tools. Integr. Environ. Ass. Man. 15:126-134.

Fischer A, Van Wezel AP, Hollender J, Cornelissen E, Hofman R, Van der Hoek JP (2019) Development and application of relevance and reliability criteria for water treatment removal efficiencies of chemicals of emerging concern. Wat. Res. 161:274-287.

Faber A, Annevelink M, Schot P, Baken K, Schriks M, Emke E, De Voogt P, Van Wezel A (2019) Chemical and bioassay assessment of waters related to hydraulic fracturing at a tight gas production site. Sci. Tot. Environ. 690:636-694.

Sjerps R, Kooij P, Van Loon A, Van Wezel A (2019) Occurrence of pesticides in Dutch drinking water sources. Chemosphere 235:510-518.

Brack W, Ait-Aissa S, Backhaus T, Birk S, Barcelo Cullerés D, Burgess B, Cousins I, Dulio V, Escher BI, Focks A, Van Gils J, Ginebreda Marti A, Hering, Hewitt LM, Hilscherová K, Hollender J, Hollert H, Köck M, Kortenkamp A, López de Alda M, Müller C, Posthuma L, Schüürmann G, Schymanski E, Segner H, Sleeuwaert F, Slobodnik J, Teodorovic I, Umbuzeiro G, Voulvoulis, Van Wezel A, Altenburger R (2019) Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. Env. Sci. EU 31:63.

Munthe J, Lexén J, Skårman T, Posthuma L, Brack W, Altenburger R, Brorström-Lundén E, Bunke B, Faust M, Rahmberg M, Sleeuwaert F, Slobodnik J, Van Gils J, Van Wezel A (2019) Increase coherence, cooperation and cross-compliance of chemicals and water regulations. Env. Sci. EU 31:64.

Faust F, Altenburger R, Backhaus T, Dulio V, Van Gils J, Ginebreda A, Kortenkamp A, Munthe J, Posthuma L, Slobodnik J, Tollefsen KE, Van Wezel A, Brack W (2019) Prioritisation of water pollutants. The EU Project SOLUTIONS proposes a methodological framework for the integration of mixture risk assessments into prioritisation procedures under the European Water Framework Directive. Env. Sci. EU 31:66.

Posthuma L, Backhaus T, Hollender J, Bunke D, Brack W, Müller C, Van Gils J, Hollert H, Munthe J, Van Wezel A (2019) Exploring the ‘solution space’ is key. SOLUTIONS recommends an early-stage assessment of options to protect and restore water quality regarding chemical pollution. Env. Sci. EU 31:73.

Mintenig S, Kooi M, Erich MW, Primpke S, Redondo- Hasselerharm PE, Dekker SC, Koelmans AA, Van Wezel AP (2020) A systems approach to understand microplastic occurrence and variability in Dutch riverine surface waters. Wat. Res. 176,115723

Van Gils J, Posthuma L, Cousins IT, Brack W, Altenburger R, Baveco H, Focks A, Greskowiak J, Kuehne R, Kutsarova S, Lindim C, Markus A, Van de Meent D, Munthe J, Schueder R, Schüürmann G, Slobodnik J, De Zwart D, Van Wezel A. (2020) Computational material flow analysis for thousands of chemicals of emerging concern in European waters. J. Haz. Mat. 297:122655

Dingemans MML, Smeets P, Medema GJ, Frijns J, Raat K, Van Wezel A, Bartholomeus R (2020) Responsible water reuse needs an interdisciplinary approach to balance risks and benefits. Water 12, 1264

Narain-Ford DM, Bartholomeus R, Dekker S, Van Wezel A (2020) Natural purification through soils: Risks and opportunities of sewage effluent reuse in sub-surface irrigation. Rev. Environ. Contam. Toxicol. [250](https://link.springer.com/book/10.1007/978-3-030-67852-4):85-117.

Narain-Ford D, Bartholomeus R, Raterman B, Van Zaanen I, Ter Laak T, Van Wezel A, Dekker S (2021) Shifting the imbalance: Intentional reuse of Dutch sewage effluent in sub-surface irrigation. Sci. Tot. Environ. 752, 142214

Van Dijk J, Gustavsson M, Dekker SC, Van Wezel AP (2021) Towards 'One Substance - One Assessment': an Analysis of EU Chemical Registration and Risk Assessment Frameworks. J. Environ. Man. 280:111692

Helmus R, Ter Laak T, De Voogt P, Van Wezel A, Schymanski E (2021) Open source software platform for environmental mass spectrometry based non-target screening. J Cheminformatics 13:1

Gilissen HK, De Jong ER, Van Rijswick HFMW., Van Wezel AP (2021) Towards More Effective Environmental Risk Regulation Complementary effects between administrative environmental law and tort law in regulating environmental risks, with chemical mining activities in the deep subsoil as example. J Eur. Environ. Plan. Law 18:77–102.

Syberg K, Nielsen MB, Westergaard Clausen LG, Van Calster G, Van Wezel A, Rochman C, Koelmans AA, Cronin R, Pahl S, Foss Hansen S (2021) Regulation of plastic from a circular economy perspective. Cur Op Green Sust Chem [29](https://www.sciencedirect.com/science/journal/24522236/29/supp/C):100462.

Sjerps RMA, Brunner AM, Fujita Y, Bajema B, De Jonge M, Bauerlein P, De Munk J, Schriks M, Van Wezel A (2021). Clustering and prioritisation to design a risk based monitoring program in groundwater sources for drinking water. Env. Sci. EU 2021, 33:32.

Van Dijk J, Leopold A, Flerlage H, Van Wezel A, Seiler TB, Enrici MH, Bloor M (2021) The EU Green Deal’s ambition for a toxic-free environment: filling the gap for science-based policymaking. Int Environ Ass Man 17:1105–1113.

Faber AH, Brunner AM, Dingemans MML, Baken KA, Kools SAE, Schot PP, De Voogt P, Van Wezel AP (2021) Comparing conventional and green fracturing fluids by chemical characterisation and effect-based screening. Sci. Tot. Environ. [794](https://www.sciencedirect.com/science/journal/00489697/794/supp/C), 148727.

Huizer M, Ter Laak TL, De Voogt P, Van Wezel AP (2021) Wastewater-based epidemiology for illicit drugs: a critical review on global data. Wat Res 207, 117789.

Welch SA, Lane T, Desrousseaux AOS, Van Dijk J, Mangold-Döring A, Rudrani Gajraj R, Hader JD, Hermann M, Kutteyeri APA, Mentzel S, Nagesh P, Polazzo F, Roth SK, Boxall ABA, Chefetz B, Dekker SC, Eitzinger J, Grung M, MacLeod M, Moe SJ, Rico A, Sobek A, Van Wezel AP, Van den Brink P (2022) ECORISK2050: An Innovative Training Network for predicting the effects of global change on the emission, fate, effects, and risks of chemicals in aquatic ecosystems. Open Research Europe  1:154.

Rietjens I, Schriks M, Houtman C, Dingemans M, Van Wezel A (2022) Letter to the editor related to: Bil et al., Risk Assessment of Per‐ and Polyfluoroalkyl Substance Mixtures: A Relative Potency Factor Approach. Environ. Tox. Chem. 41:7-12.

Van Dijk J, Flerlage H, Beijer S, Slootweg C, Van Wezel A (2022) Safe and Sustainable by design: a computer-based approach to redesign chemicals for reduced environmental hazards. Chemosphere [296](https://www.sciencedirect.com/journal/chemosphere/vol/296/suppl/C), 134050.

Helmus R, Van de Velde B, Brunner AM, Ter Laak T, Van Wezel AP, Schymanski E (2022) patRoon 2.0: Improved non-target analysis workflows including automated transformation product screening. J Open Source Softw, 7(71), 4029.

Nagesh P, De Boer HJ, Van Wezel AP, Dekker SC, Van Vuuren DP (2022) Development of chemical emission scenarios using the Shared Socio-economic Pathways. [Sci. Tot. Environ.](https://www.sciencedirect.com/journal/science-of-the-total-environment) 155530.

De Bruin C, De Rijke E, Van Wezel AP, Astefenei A (2022) Methodologies to characterize, identify and quantify nano- and sub-micron sized plastics in relevant media for human exposure: A critical review. RSC Env. Sci.: Adv. 1:238-258.

Hofman-Caris RCHM, Bauerlein P, Siegers W, Mintenig S, Messina R, Dekker S, Bertelkamp C, Cornelissen E, Van Wezel A (2022) Removal of nanoparticles in drinking water treatment – coagulation/flocculation/sedimentation, and sand/granular activated carbon filtration. RSC Environ. Sci.: Wat. Res. Technol. 8:1675-1686.

Houthuijs D, Breugelmans ORP, Baken KA, Sjerps RMA, Schipper M, Van der Aa M, Van Wezel AP (2022) Assessment of drinking water safety in the Netherlands using nationwide exposure and mortality data. Environ. Int. 107356

Polhill L, De Bruijn R, Amaral-Zettler L, Praetorius A, Van Wezel A (2022) Daphnia magna's Favorite Snack: Biofouled Plastics. Environ. Tox. Chem. 8:1977–1981.

Pistocchi A, Alygizakis NA, Brack W, Boxall A, Cousins IT, Drewes JE, Finckh S, Gallé T, Launay M, McLachlan MS, Petrovic M, Schulze T, Slobodnik J, Ternes T, Van Wezel A, Verlicchi P, Whalley C (2022) [European scale assessment of the potential of ozonation and activated carbon treatment to reduce micropollutant emissions with wastewater](https://www.sciencedirect.com/science/article/pii/S0048969722042218). Sci. Tot. Environ. 157124

Davey C, Kraak MHS, Praetorius A, Ter Laak TL, Van Wezel AP (2022) Occurrence, hazard, and risk of psychopharmaceuticals and illicit drugs in European surface waters. Wat. Res.[222](https://www.sciencedirect.com/journal/water-research/vol/222/suppl/C), 118878.

Campos-Mañas M, Fabregat-Safont D, Hernández F, De Rijke E, De Voogt P, Van Wezel A, Bijlsma L (2022) Analytical research of pesticide biomarkers in wastewater with application to study spatial differences in human exposure Chemosphere 307:135684.

Taha MH, Aalizadeh R, Alygizakis N, Antignac JP, Arp HPH, Bade R, Baker N, Belova L, Bijlsma L, Bolton EE, Brack W, Celma A, Chen WL, Cheng T, Chirsir P, Čirka L, D’Agostino L, Djoumbou-Feunang Y, Dulio V, Fischer S, Gago-Ferrero P, Galani A, Geueke B, Głowacka N, Glüge J, Groh K, Grosse S, Haglund P, Hakkinen PJ, Hale SE, Hernandez F, Janssen EML, Jonkers T, Kiefer K, Kirchner M, Koschorreck J, Krauss M, Krier J, Lamoree MH, Letzel M, Letzel T, Li Q, Little J, Liu Y, Lunderberg DM, Martin J, McEachran AD, McLean JA, Meier C, Meijer J, Menger F, Merino C, Muncke J, Muschket M, Neumann M, Neveu V, Ng K, Oberacher H, O'Brien J, Oswald P, Oswaldova M, Picache JA, Postigo C, Ramirez N, Reemtsma T, Renaud J, Rostkowski P, Rüdel H, Salek R, Samanipour S, Scheringer M, Schliebner I, Schulz W, Schulze T, Sengl M, Shoemaker BA, Sims K, Singer H, Singh R, Sumarah M, Thiessen PA, Thomas KV, Torres S, Trier X, Van Wezel AP, Vermeulen RCH, Vlaanderen JJ, Von der Ohe PC, Wang Z, Williams AJ, Willighagen EL, Wishart DS, Zhang J, Thomaidis NS, Hollender J, Slobodnik J, Schymanski EL (2022) The NORMAN Suspect List Exchange (NORMAN-SLE): Facilitating European and Worldwide Collaboration on Suspect Screening in High Resolution Mass Spectrometry. Env. Sci. EU. 34:104.

Narain-Ford DM, Van Wezel AP, Helmus R, Dekker SC, Bartholomeus RP (2022) Soil self-cleaning capacity: Removal of organic compounds during sub-surface irrigation. Wat. Res. [226](https://www.sciencedirect.com/journal/water-research/vol/226/suppl/C), 119303.

Sadia M, Nollen N, Helmus R, Ter Laak TL, Béen F, Praetorius A, Van Wezel AP (2023) Occurrence, fate and related health risks of PFAS in raw and produced drinking water. Env. Sci. Tech. 57:3062–3074.

Van Dijk J, Figuiere R, Dekker SC, Van Wezel AP, Cousins IT (2023) Managing PMT/vPvM substances in consumer products through the concepts of essential-use and functional substitution: a case-study for cosmetics. RSC Environ. Sci.: Processes Impacts, 25, 1067-1081.

Faber AH, Brunner AM, Schimmel M, Schot PP, De Voogt P, Van Wezel A (2023) Effects of high pressure and temperature conditions on the chemical fate of flowback water related chemicals. Sci. Tot. Environ. 163888.

Sadia M, Kunz M, Ter Laak T, De Jonge M, Schriks M, Van Wezel A (2023) Forever legacies? Profiling historical PFAS contamination and current influence on groundwater used for drinking water. Sci. Tot. Environ. 164420.

Van Dijk J, Dekker S, Kools S, Van Wezel A (2023) European-wide spatial analysis of sewage treatment plants and the possible benefits to nature of advanced treatment to reduce pharmaceutical emissions. Wat. Res.120157.

Licul-Kucera V, Frömel T, Kruså M, Van Wezel AP, Knepper TP (2023) Finding a way out? Comprehensive biotransformation study of novel fluorinated surfactants, Chemosphere [339](https://www.sciencedirect.com/journal/chemosphere/vol/339/suppl/C), 139563.

Gkika I, Xie G, Van Gestel C, Ter Laak TL, Vonk JA, Van Wezel A, Kraak M (2023) Research priorities for the environmental risk assessment of per- and polyfluorinated substances (PFAS). Environ. Toxicol. Chem. <https://doi.org/10.1002/etc.5729>

In review:

Sadia M, Beltrán Beut L, Pranić M. Van Wezel AP, Ter Laak TL (subm) Sorption of PFAS and PFAS precursors to activated carbon sorbents with varying porosity. Chemosphere

**Media**

Selection interviews in newspapers, radio and television;

* Radio 1: in reactie op ‘Drinkwater raakt op’ (Oct 3 2012)
* National Geographic: Behind the Science – Drugsriolen (2013)
* BNR Duurzaam: Modernisering milieubeleid (March 24 2014)
* Reporter radio; Medicijnen in het water, hoe halen we ze eruit? (October 5, 2014)
* Waterspiegel; Risico’s schaliegaswinning (September 2015)
* Impact (STW magazine); Plastic soep in de sloot (Oktober 2015)
* Reporter radio; Code droogte (November 29, 2015)
* C2W; Vissen naar minuscuul plastic (November 27, 2015)
* RTV Utrecht, Westbroek! Plastic (March 2016)
* Radio 1: Wederom tonnen drugsafval gevonden in Nederlands rioolwater (May 31, 2016)
* Een vandaag; Drugsgebruik Oudewater zorgwekkend (June 15, 2016)
* NOS Journaal & Radio 1 & NOS on-line; Risico’s van Industriele lozingen (nav GenX) (April 14, 2017)
* AD; Chemie heeft vrij spel (April 22, 2017)
* RTL Nieuws; Veilige drinkwaterproductie (April 21, 2017)
* Trouw; Is plastic de oplossing in de strijd tegen microplastic uit de wasmachine? (May 16, 2017)
* Bionieuws; Schoon water blijft hardnekkig ideaal (August 26, 2017)
* RTL Nieuws; Additionele technologie bij Chemours (September 5, 2017)
* H2O; GenX is geen incident (September 2017)
* AD; De strijd om schoon drinkwater (Oktober 21, 2017)
* H2O; Spotlight op industriewater (Mei 2018)
* NRC; Drugsproductie overdreven? Sterker: omzet is zelfs hoger (September 2018)
* Trouw; Uw wasmachine spoelt niet alleen vuil door het riool, ook microplastic gaat zo naar de zee (Januari 2019)
* Reporter radio; Waterkwaliteit schiet nog te kort (Februari 10, 2019)
* C2W; Eindeloos tot grondstof wederkeren. In de circulaire economie is een afvalproduct ook weer uitgangspunt (April 11, 2019)
* Volkskrant; Een druppel olie maakt een drinkwaterbron honderd jaar onbruikbaar – Klopt dit wel? (April 26, 2019)
* Trouw; Thuis kraanwater filteren is totaal onnodig, vinden de experts (May 21, 2019)
* AD; Chemische stofjes in drinkwater aangetroffen: ‘Bronnen beter beschermen’ (September 8, 2019)
* Trouw; Hoe kwetsbaar is onze drinkwatervoorziening? (September 12, 2019)
* C2W; Zorgen en frustratie rond fluorvervuiling (Oktober 23, 2019)
* NRC; Je hóéft niet alles plat te leggen ((Oktober 29, 2019)
* Nieuwsuur; Dweilen met kraan open (Oktober 30, 2019)
* NPO Radio 1; UvA doet onderzoek naar het neerslaan van stikstof (October 11, 2019)
* Met het oog op morgen; PFAS-norm versoepeld (November 28, 2019)
* NRC; De impact van PFAS is nog steeds lastig meetbaar (November 30, 2019)
* NPO; Radio 1 en NOS; PFAS-uitstoot Chemours flink omlaag, 'maar op 95 procent is weinig zicht' (December 5, 2019)
* Volkskrant; Tata loost gif en de overheid vindt het goed (December 7, 2019); Rijkswaterstaat gaf Tata Steel ruimere normen bij lozen giftige stoffen (December 7, 2019)
* Bionieuws; Weeg maatschappelijk belang mee in toelating (December 14, 2019)
* Kennislink; 7 vragen over PFAS (December 17, 2019)
* Technisch Weekblad; Hoe PFAS de bouw- en baggersector verlamde (January 14, 2020)
* Nieuwsuur; Amsterdam wil verhuurder kunnen dwingen loden leidingen te vervangen (January 24, 2020)
* GGZtotaal; Hoe halen we psychofarmaca uit het oppervlaktewater? (January 29, 2020)
* NRC; Loden last? Vijf vragen over lood en drinkwater (January 31, 2020)
* RTV Oost; Uitgelekte cijfers stikstofonderzoek Mesdag Zuivelfonds niet gebaseerd op cijfers van de Universiteit van Amsterdam (February 19, 2020)
* Reporter Radio; Europees parlement neemt nieuwe stap tegen medicijnresten in het milieu (March 8, 2020)
* Trouw; Unieke megaklus: wetenschappers gaan álle planten, dieren, schimmels en algen in Nederland identificeren (May 1. 2020)
* NRC; Hoeveel leed het schuursponsje aanricht, is onduidelijk (May 7, 2020)
* Parool; Pieter Pot bezorgt je boodschappen volledig plasticvrij (May 25, 2020)
* Trouw; We willen naar een gifvrij milieu, maar verboden stoffen blijven op de markt komen (Dec 18, 2020)
* Volkskrant; Steeds minder afval op Nederlandse stranden (Feb 19, 2021)
* Trouw; De kat kan op schoot, maar het vlooiengif mag wel wat minder (March 31, 2021)
* NRC; Onkruidverdelger Roundup doodt ook hommels (April 8, 2021)
* Radio 1 journaal; Strengere regels nodig om verspreiding schadelijke PFAS-stoffen in te dammen (June 5, 2021)
* Volkskrant; Uitspraak rechtbank Noord-Nederland heeft mogelijk grote gevolgen voor gebruik pesticiden nabij natuurgebieden (June 24, 2021)
* Een Vandaag; Bestrijdingsmiddelen alleen apart van elkaar getest, maar niet samen: experts maken zich zorgen (June 24, 2021)
* Een Vandaag; Bestrijdingsmiddelen in een derde van de drinkwaterbronnen in Nederland boven de norm (June 30. 2021)
* AD; Lucht, bodem en water: hoe schoon of vervuild is Oost-Nederland (August 17, 2021)
* Volkskrant; Het kraanwater is al schoon (October 23, 2021)
* Volkskrant; Waterkwaliteit vrijwel overal in Nederland ondermaats: nieuw ‘stikstofachtig debacle’ dreigt (November 18, 2021)
* Volkskrant; De 21 meest bijzondere wetenschapsbeelden van 2021 – Wat doet die rommel hier? (December 24, 2021)
* KRO/NCRV – Podcast ‘De Oplossers’- #3 Water (December 24, 2021)
* Trouw; Gebruik de natuur voor herstel van het klimaat (April 25, 2022)
* Bionieuws; Waar gaat het mis met de Nederlandse waterkwaliteit? (May 14, 2022)
* NOS; Rivieren lijden onder kleurrijke mode, dus biokleur moet helpen (May 15, 2022)
* Chemiemagazine; Hoe pas je safe and sustainable by design toe? (May 31. 2022)
* Universiteit van Nederland; Hoe giftig is jouw koekepan? (June 29, 2022)
* AD/De Stentor; Weg met PFAS, maar dat is makkelijker gezegd dan gedaan (July 2,2022)
* RTLnieuws; Sloten, plassen en rivieren ernstig vervuild (July 2,2022)
* NRC; Kwaliteit Nederlandse wateren is slecht en verbetert bijna niet (July 24, 2022)
* NRC: Na de stikstofcrisis volgt straks ook de waterkwaliteitscrisis (July 24, 2022)
* NRC; PFAS-concentraties blijken óveral ter wereld te hoog (August 5, 2022)
* Trouw; Ga niet weer twijfel zaaien, aan die stikstofdoelen valt echt niet te ontkomen (August 22, 2022)
* SPUI magazine; Als wetenschappers en boeren samenwerken (September 2022)
* BNR Duurzaam; Nederlands water nog te vaak vieze derrie (September 12, 2022)
* De Ingenieur; Komen we toch nog van PFAS af? (September 2022)
* Radar; Een pan ‘PFOA-vrij’? Klinkt goed maar experts vinden het misleidend (October 18, 2022)
* Pointer; De vervuiler betaalt minder (November 6, 2022)
* Een Vandaag; Regels voor gifstoffen in compost moeten scherper en beter, zeggen deskundigen (December 1, 2022)
* ND; Eindelijk: Kuipers bij PFAS-debat (February 2, 2023)
* Folia; UvA-moratorium vertraagt energietransitie en is inbreuk op academische vrijheid (February 13, 2023)
* RTLnieuws; Zo hardnekkig is PFAS: aangetroffen in bloed honderden diersoorten (February 23, 2023)
* Nederlands Dagblad; Hoe houd je PFAS buiten de deur (en uit je lijf)? (March 18, 2023)
* Nieuws en co; Nieuwe methode om PFAS te verwijderen (March 23, 2023)
* Met het oog op morgen; Wat doen ‘forever chemicals’ op de bodem van de Stille Oceaan? (April 21, 2023)
* Argos; Op zoek naar de PFAS-lozers in de Maas (June 3, 2023)
* Radio 1; PFAS, Hoe komen we er vanaf (September 7, 2023)
* Follow the Money; Het verborgen PFAS-probleem waaraan niemand iets doet (September 11, 2023)

**Contribution to courses**

In various UU Masters (Water Science and Management, Sustainable Development, One Health, Toxicology and Environmental Health); contributions to courses Drinking water and sanitation, Perspectives on Sustainable Development, Environmental Health, Water Governance and law. UvA bachelor (FPS) Water Quality, UvA FPS Challenges for the blue planet, UvA MsC Environmental Chemistry, Ecotoxicology.

**PhD committees**

Ilona Velzeboer Implications of nanoparticles in the aquatic environment (WUR 2014)

Isabel O’Connor Modelling the oral uptake of chemicals: the role of plastic, passive diffusion and transport proteins (RUN 2014)

Yi Chen Sorption behavior and acute toxicity of cationic surfactants in the aquatic environment (UU 2014)

Petra Booij Toxic pressure of chemical stressors in the Dutch estuarine en coastal waters affecting pelagic microalgae (VU 2014)

Anastasia Georgantzopoulou Effects of Ag Nanoparticles (Ag NPs) on model aquatic organisms (WUR 2015)

Denise Montagne Modeling personal exposure to traffic related air pollutants (UU 2015)

Andrii Butovskyi Micropollutant Removal in Source Separated Sanitation (WUR 2015)

Bram Martijn Impact of the water matrix on the effect and the side effect of MP UV/H2O2 treatment for removal of organic micropollutants in drinking water production (WUR 2015)

Colette Bos Articulation: how societal goals matter in nanotechnology (UU 2016)

Aleksandra Jedynska Spatial variations and development of land use regression models of PAH, EC/OC, levoglucosan and oxidative potential of PM2.5 in European study areas (UU 2016)

Rik Oldenkamp Uncertainty and variability in environmental risk assessment of human pharmaceuticals (RUN 2016)

Pita Spruijt Expert views on scientific policy advice on complex environmental health issues (UU 2016)

Lisette de Hoop Evaluating chemical exposure and effect models for aquatic species with a focus on crude oil constituents (RUN 2016)

Sunday Makama An in vitro – in vivo integrated approach for hazard and risk assessment of silver nanoparticles for soil organisms (WUR 2016)

Andrea Carboni Fullerene Nanoparticles in Soil: Analysis, Occurrence and Fate (UvA 2016)

Arjen Markus Release, transport and fate of engineered nanoparticles in the aquatic environment (UvA 2016)

Joris Meesters Environmental exposure modeling of nanoparticles (RUN 2017)

Ellen Besseling Micro- and nanoplastic in the aquatic environment - from rivers to whales (WUR 2018)

Julia Tavitie Wastewater treatment plants as pathways of microlitter to aquatic environment (Aalto University 2018)

Maria Hoppe Oligomers in polyester-type food contact polymers: Identification and migration studies (UvA 2018)

Chimere Ohajinwa Environmental and health impacts of informal e-waste recycling (UL 2018)

Jort Hammer Linking molecular interactions to environmental properties of surfactants (UU 2019)

Yuli Ekowati Protection of public health from microbial and chemical hazards in swimming pool environments (UU 2019)

Vittorio Albergamo Polar organic contaminants in natural drinking water sources and their removal by reverse osmosis (UvA 2019)

Ciska Overbeek Peat formation on a former landfill. Production and decomposition of aquatic pioneer vegetation (UvA 2019)

Paula Dos Reis Oliveira The landscape drives the stream; unraveling ecological mechanisms to improve restoration (UvA 2019)

Mariska Schimmel Effects of pore fluid chemistry on compaction of sand and sandstone reservoirs: From experiments to potential applications and associated risks (UU 2019)

Amir Arastehfar Development of fungi identification tools and evaluation of microbiological and clinical profiles of *Candida* species from Iran (UvA 2019)

Baptiste Poursat Implications of microbial adaptation for the persistency assessment of organic chemicals (UvA 2020)

Thomas Wagner Removal and transformation of conditioning chemicals in constructed wetlands treating cooling wastewater (UvA 2020)

Niels Timmer Improving risk assessment of cationic surfactants. Overcoming the challenges in analytical determination, cell-based toxicity assays, and biodegradability testing (UU 2020)

Ke Gao Sexual selection in a dynamic world. The causes and consequences of variation in sexual signals and responses (UvA 2020)

Michael Onwona-Kwakye Pesticide-induced environmental risks: A field study in Ghana (WUR 2020)

Mansoureh Vatashenassan New methods for the rapid identification and antifungal susceptibility testing of clinically important Candida species' (UvA 2020)

Ewa Skoczynska Development and application of comprehensive chemical analytical methods for the analysis of polyaromatic compounds (VU 2021)

Foppe Smedes Passive sampling: effective sensing of environmental quality (VU 2021)

Berenice Collet Effect-Based Analysis of Endocrine Disrupting Chemical Mixtures in Breast Milk and Possible Health Consequences for Human Infants (VU 2021)

Thomas Maes Lifting the veil on marine litter; Towards a better understanding of marine litter in the North Atlantic: Method development, occurrence and impacts (VU 2021)

Jip de Vries Organisms make ecosystems function:Identifying functional indicators of anthropogenic stress in aquatic ecosystems (UvA 2021)

Anne-Catherine Ahn A Tale of Adaptation: Diversity and stress responses in the haloalkaliphilic sulfur-oxidizing bacteria of the genus Thioalkalivibrio (UvA 2021)

Elvis Dartey Okoffo An assessment of plastic residues in Australian biosolids (University of Queensland 2021)

Andrea Aldas Vargas Biodegradation of pesticides in groundwater: exploring microbial potential under anaerobic oligotrophic conditions (WUR 2022)

Ike van der Veen Analysis of per- and polyfluoroalkyl substances (PFASs) in outdoor wear (VU 2022)

Thi Lan Anh Nguyen Microbial communities and their enzymes involved in biodegradation of herbicides and dioxins (VU 2022)

Aimilia Stavrou Emerging Saccharomycotina yeast pathogens: Detection and susceptibility profiles (UvA 2022)

Maggie Armstrong On razor’s edge: maintaining lake ecosystem services and functions in an extreme world (WUR 2022)

Meggie Hudspith Illuminating the nutritional nature of sponge–microbe symbioses (UvA 2022)

Sara Campana Inside the sponge engine (UvA 2022)

Yue Wang Environmental biodegradability of hydrolysable polyesters from renewable resources (UvA 2022)

Jiaqi Wang Moving towards a toxic-free environment. Modelling fate and effects of problematic chemicals (RU 2022)

Suzanne van der Meulen Functional quality of urban surface water (WUR 2023)

Husam Eldin Salah I.Mohamed Molecular epidemiology and antifungal susceptibility of clinical fungi in Qatar (UvA 2023)

Anne-Jifke Haarsma Habitat segregation of Pond bats - consequences for reproduction, commuting, hibernation, predation and diet (RUN 2023)

Ilse Ottenbros Novel approaches to address exposure to real-life chemical mixtures in the general population (UU 2023)

Kaiyi Wu Microalgae-based technology for wastewater treatment: Exploring organic micropollutants removal (WUR 2023)

**BAC committee outside UvA**

‘Integrated Environmental Modeling’, Faculty Management, Science & Technology, Open University 2017

‘Global Ecohydrology and Sustainability’ Copernicus Institute, Utrecht University 2019

Director NIOO, KNAW 2019-2020

TT evaluation Nora Sutton WUR 2019

Professor Ecotoxicology RWTH Aachen 2021

Professor Human and Ecological Risk Assessment, Radboud University 2021

Professor Water Technology and Metropolitan Solutions, WUR 2022